Claims

1. A device for locking the legs of a passenger in a seat, in particular a seat on an installation for amusement parks, said seat comprising a base of the seat fixed on a support, said device comprising two flaps mounted for articulation at the end of the support of the base of the seat.

2. A device according to claim 1, further comprising a mechanism for actuating the movement of the flaps and having members acting on levers fixed to the flaps.

3. A device according to claim 2, wherein the mechanism for actuating the movement of the flaps comprises an actuation lever mounted for pivoting on the support of the base of the seat and fixed to a shaft, each ends of which are connected to the end of one of the said levers fixed to the flaps.

4. A device according to claim 3, wherein the mechanism for actuating the movement of the flaps is controlled by a pedal fixed to the said actuation lever and arranged to control the movement of the said actuation lever.

5. A device according to claim 2, having control means for at least temporarily slaving the mechanism for actuating the movement of the flaps to a device for holding the top of the body of the passenger in the seat, so as to obtain the automatic closure of the flaps when closing the device for holding the top of the body of the passenger in the seat.

6. A device according to claim 5, wherein the mechanism for actuating the movement of the flaps is controlled by means

of a cable fixed to a lever for actuating the movement of the flaps and connected to a lever fixed to the device for holding the top of the body of the passenger in the seat.

7. A device according to claim 5, wherein the said control means include an intermediate cam formed and arranged so as to allow the temporary connection of the mechanism actuating the movement of the flaps to the movement of the device holding the top of the body of the passenger during the closure movement of the latter device.

8. A device according to claim 7, wherein the said control means include a first connection member articulated at one of its ends on a lever fixed to a device for holding the top of the body of the passenger and articulated at its other end through a first shaft on one of the ends of a link mounted for articulation at its other end on the cam, and a second connecting member articulated at one of its ends through a second shaft on the mechanism for actuating the movement of the flaps and articulated at its other end on the cam.

9. A device according to claim 8, further having a roller mounted on said first shaft for articulating the said first connecting member on the said link, and arranged so as to cooperate with a nose-shaped part of the cam, so as to cause the pivoting of the said cam.

10. A device according to claim 9, wherein the said link has, at the point of its articulation on the cam, a piercing formed so as to constitute a clearance on the said articulation enabling said roller to pass round the nose-shaped part of the cam once the flaps are closed.

11. A device according to claim 3, wherein the mechanism for actuating the movement of the flaps is actuated by at least one electric motor.

12. A device according to claim 11, wherein the said electric motor is controlled electronically during the opening/closing movement of a device for holding the passenger in the seat.

13. A device according to one of claims 3, having a hydraulic jack for locking the flaps in the closed position, the said jack being made integral with the actuating lever, so that the pivoting of the said actuating lever causes the actuation of the jack.

14. A device according to claim 5, having a hydraulic jack for locking the flaps in the closed position, the said jack being made integral with the actuating lever, so that the pivoting of the said actuating lever causes the actuation of the jack.

15. A seat for the transportation of a passenger, in particular in installations for amusement parks, having a device for locking the legs of the passenger according to one of the preceding claims.

16. A seat according to claim 15, having lateral parts projecting below the base and serving for the lateral holding of the legs of the passenger, the said lateral parts being arranged to cooperate with the flaps for locking the legs of the passenger.